

# FUEL Mizer<sup>™</sup> Outdoor Reset Switching Relay

The FuelMizer<sup>™</sup> (SR501-OR) is a microprocessor-based control designed to regulate the supply water temperature of a single boiler, based on the outdoor temperature. The FuelMizer is a boiler reset control and switching relay in one unit; it is ideal for retrofit application, but may also be used in new installations as well.



### Features

- Full outdoor boiler reset control
- Can control system or zone valve circulator
- Over-ride of outdoor reset when DHW tank is calling
- Easy to install and set; will not affect boiler's warranty
- Front mounted LED lights for full diagnostic information
- Ideal for retrofit applications of just about any hot water boiler
- Typical energy savings is about 14% with some customers experiencing up to 30%

### Specifications

Control: .....Microprocessor control. **This is not a safety (limit) control.**

Enclosure: .....TYPE I

Dimensions: .....4-1/4" W x 5-1/4" H x 2-3/4" D

Approvals: .....UL listed for US and Canada, Temperature Indicating and Regulating Equipment.

Power Supply: .....120/60/1 VAC, 12 amps maximum

Relays: .....Boiler Relay  
1 amp @ 24 VAC  
Circulator Relay  
1/3 HP  
(6 FLA, 36 LRA)

Thermostat: .....24 VAC  
Class 2 Output

Sensors: .....NTC thermistor,  
10 k @ 77°F  
(25°C ±0.2°C)  
B=3892

Outdoor Design Temp.: .....-30°F to 40°F  
(-35°C to 5°C)

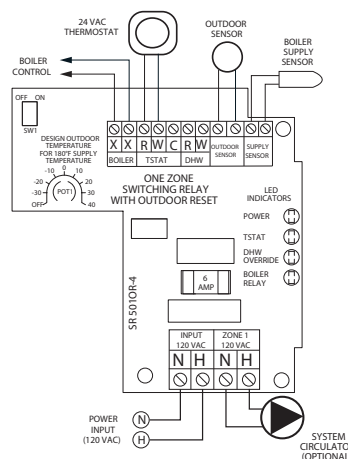
Boiler Minimum: .....70°F or 140°F  
(21°C or 60°C)

Differential: .....10°F or 20°F  
(6°C or 12°C)

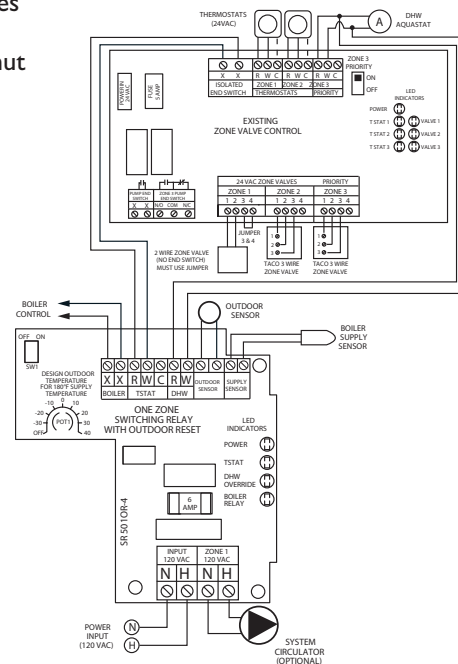
WWSD: .....70°F (21°C)

### Application

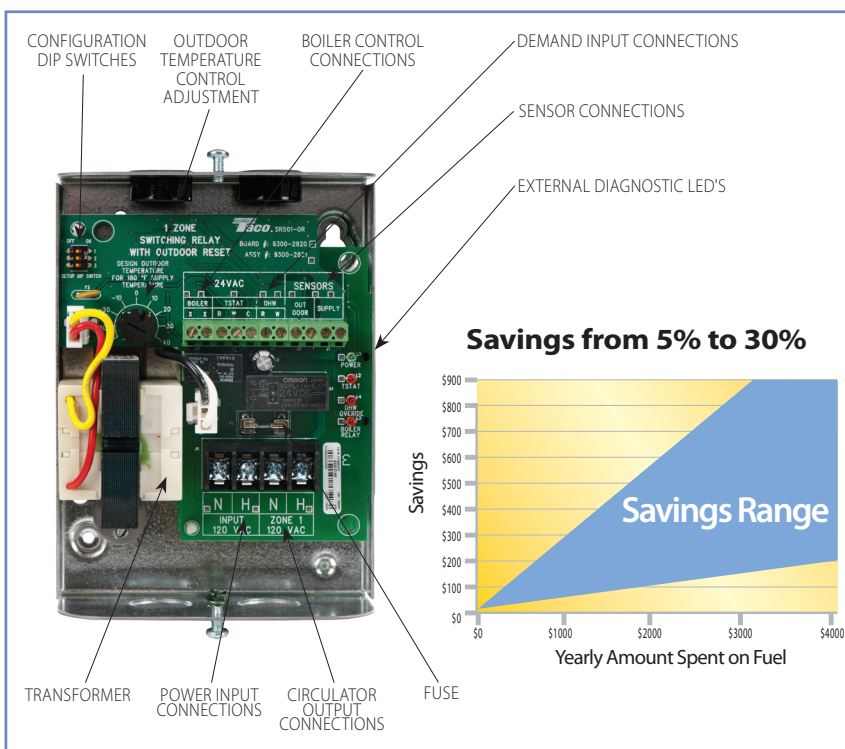
The FuelMizer (SR501-OR) includes functions such as automatic reset ratio calculation, warm weather shut down (WWSD), minimum boiler temperature setting, and boiler differential setting. The control also includes both boiler and outdoor sensors.



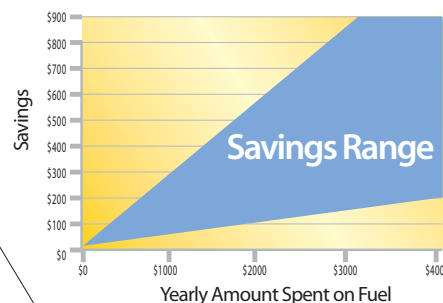
ONE ZONE INSTALLATION W/O INDIRECT DHW



MULTI-ZONE INSTALLATION WITH ZONE CONTROL, WITH INDIRECT DHW



**Savings from 5% to 30%**



**Taco**  
controls made easy®

The installer must ensure that this control and its wiring are isolated and/or shielded from strong sources of electromagnetic noise. This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.